

Appln No. 10/722,002
Haller et al.
Office Action dated December 29, 2005

Please replace the previous abstract

Abstract

Heat exchanger with thermal inertia for a heat transfer fluid circuit, particularly of a motor vehicle

The invention relates to a heat exchanger for a heat transfer fluid circuit comprising ducts for the circulation of the heat transfer fluid, which are inserted between an inlet and an outlet, and cavities which are designed to contain a heat storage fluid are situated adjacent to the cooling fluid circulation ducts and are also associated with heat exchange surfaces able to be swept by a flow of air to be conditioned, so that the heat storage fluid is capable of exchanging heat with the air flow, if the circulation of the heat transfer fluid is stopped. Application in particular to the air conditioning evaporators of motor vehicles.

with the following:

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Heat exchanger with thermal inertia for a heat transfer fluid circuit, particularly of a motor vehicle

A heat exchanger for a heat transfer fluid circuit comprising ducts for the circulation of the heat transfer fluid, which are inserted between an inlet and an outlet, is described. Cavities designed to contain a heat storage fluid adjacent to the cooling fluid circulation ducts and associated with heat-exchange surfaces, so that heat storage fluid is capable of exchanging heat with the air flow, if the circulation of the heat transfer fluid is stopped, are also described.